QuickWx_SOF_1000

Defense Information Infrastructure (DII)

Common Operating Environment (COE)

Statement of Functionality (SOF)
for the
Quick Weather Segment

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1 SCOPE

1.1 Identification

This document describes the functionality of the Quick Weather Segment developed by Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA.

1.2 System Overview

Quick Weather is a lightweight, stand-alone client that provides a quick way to get textual observation and forecast data (METARs and TAFs) for stations selected by the user. The Quick Weather software has two main units:

1. A GUI that allows the operator to select stations and products to be retrieved for each station. The GUI also includes the capability to configure the software to access the requested data via a particular server.

2. A retriever function that transports a request to the server, waits for a reply, and delivers the requested data to the client. The operation of the retriever is essentially transparent to the user; it is initiated according to the schedule established in the GUI, and delivers the data in the background.

1.3 Document Overview

Section 2 provides details of the Quick Weather functionality.

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2 QUICK WEATHER SEGMENT FUNCTIONALITY

After configuring the program to access a server, the user simply enters or selects the ICAO call signs of the stations whose reports are desired, then tells the program to retrieve and display the reports. The Quick Weather Segment includes a graphical user interface (GUI) to allow the user to select the stations and the products to be retrieved, and a retriever process that establishes communication with a METCAST server, submits a request for the data requested, and delivers the reply to the local user. The METCAST Server comprises a separate segment.

It is beyond the scope of this document to discuss the details of the Quick Weather graphical user interface. The *Quick Weather User's Manual* and the online help provide a comprehensive discussion of all Quick Weather functions and details of each of the Quick Weather dialogs.